

Yue Cui

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Education

City University of Hong Kong

Ph.D. in Computer Science (Supervisor: Dr. Man Hon Cheung)

Aug 2022 - Expected Jun 2026

Hong Kong SAR

- **Research Interests:** Network economics, Data Privacy

University of Tennessee, Knoxville

Research Assistant in Mosis Lab (Supervisor: Dr. Jian Liu)

Sept 2021 - May 2022

Knoxville, Tennessee

- **Research Interests:** Trustworthy Federated Learning

University of Electronic Science and Technology of China (UESTC)

B.Eng in Computer Science and Technology ("Internet+" Elite Class), Minor in Finance, GPA: 3.92/4.0

Sept 2017 - Jun 2021

Chengdu, Sichuan

Publications

1. Yue Cui, Ningning Ding, and Man Hon Cheung. "Aol-aware Federated Unlearning for Streaming Data with Online Client Selection and Pricing." 2025 IEEE International Conference on Computer Communications (INFOCOM'25) (Acceptance Rate: 18.6%)
2. Ni Yang, Yue Cui, and Man Hon Cheung. "Convergence Analysis and Contract Design for Adaptive Federated Learning." Submitted to IEEE Transactions in Mobile Computing (TMC)
3. Yue Cui and Man Hon Cheung. "The Price of Forgetting: Incentive Mechanism Design for Machine Unlearning." Submitted to IEEE Transactions in Mobile Computing (TMC)
4. Ni Yang, Yue Cui, and Man Hon Cheung. "Contract Design for Adaptive Federated Learning." 2024 IEEE Global Communications Conference (GLOBECOM'24)
5. Yue Cui and Man Hon Cheung. "The Price of Forgetting: Data Redemption Mechanism Design for Machine Unlearning." 2024 IEEE International Conference on Communications (ICC'24)
6. Yue Cui, Syed Irfan Ali Meerza, Zhuohang Li, Luyang Liu, Jiaxin Zhang, and Jian Liu. "RecUP-FL: Reconciling Utility and Privacy in Federated learning via User-configurable Privacy Defense." 2023 ACM Asia Conference on Computer and Communications Security (ASIA CCS'23) (Acceptance Rate: 17.1%)
7. Qinyun Chen, Chaohui Zheng, Yue Cui, Yan-Ru Lin, Steven J. Zinkle. "A deep learning model for automatic analysis of cavities in irradiated materials." 2023 Computational Materials Science
8. Yue Cui, Zhuohang Li, Luyang Liu, Jiaxin Zhang, Jian Liu. "Privacy-preserving speech-based depression diagnosis via federated learning." 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC'22) (Student Paper Competition Finalist)

Awards and Honors

- Student Travel Grant, IEEE ICC, \$1000, 2024
- Student Paper Competition Finalist, IEEE EMBC, Only 1 in North America, 2022
- Tennessee's Top 100 Fellowship, \$10,000 per year, University of Tennessee, 2021
- Third Prize of Sichuan Province, Chinese Undergraduate Computer Design Contest, 2021
- Second Prize of Sichuan Province, National College Student E-commerce "Innovation, Creativity, and Entrepreneurship" Challenge Competition, 2021
- The Outstanding Student of 2019, School of Computer Science and Engineering, UESTC, 2019
- Merit-based Outstanding Student Scholarship, UESTC, 2018 - 2020